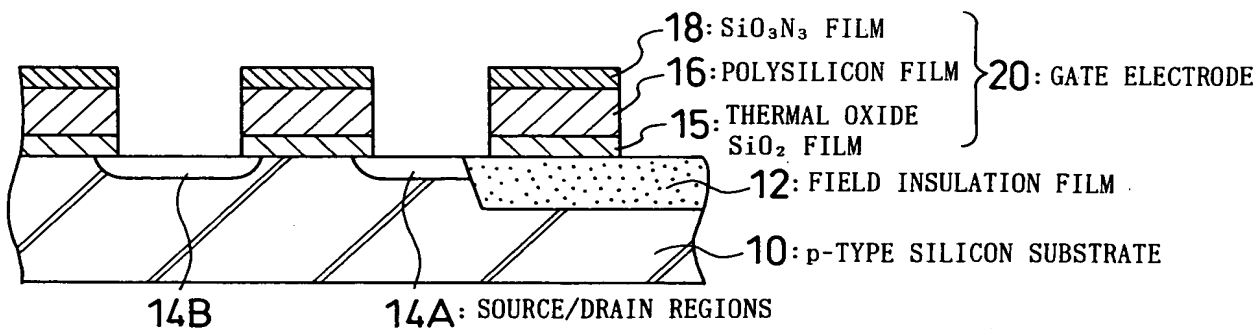
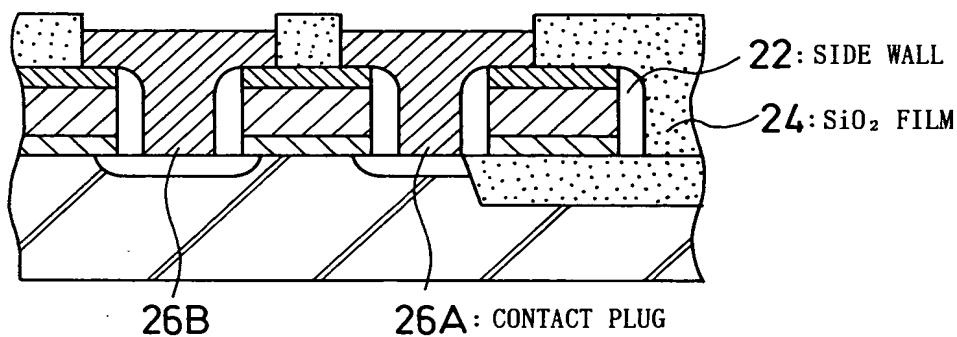


Fig. 1

(a)



(b)



(c)

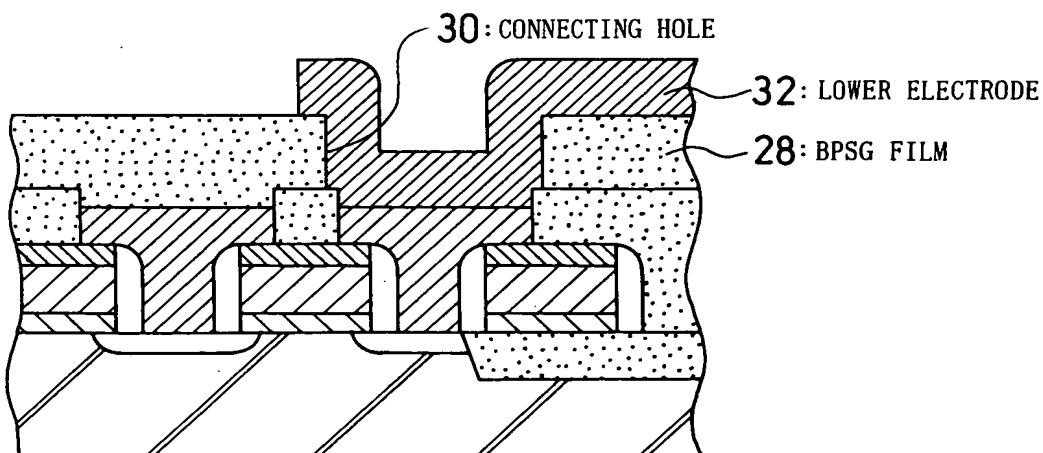
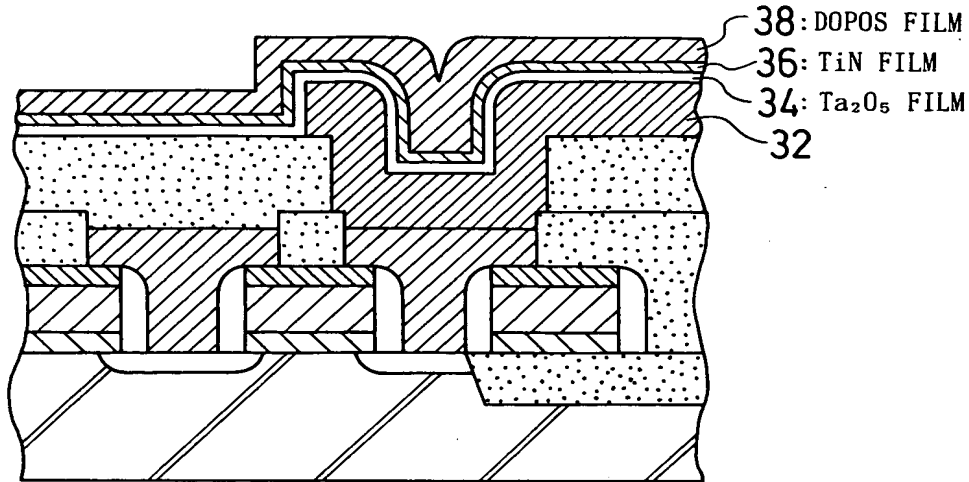


Fig. 2

(d)



(e)

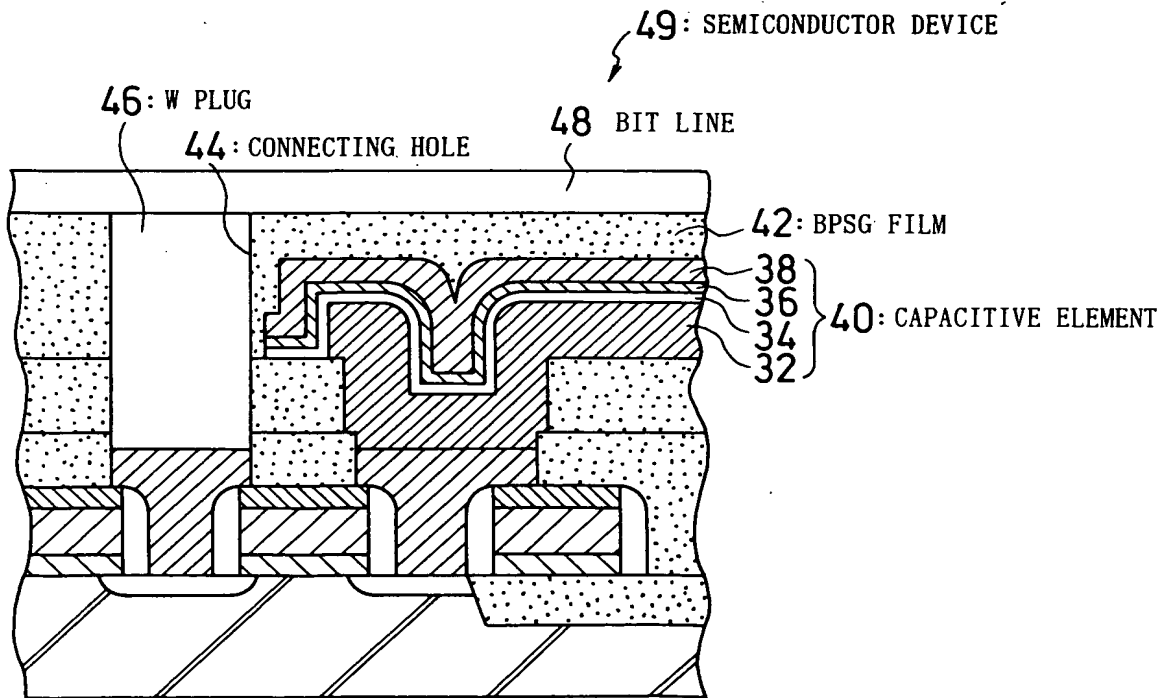


Fig. 3

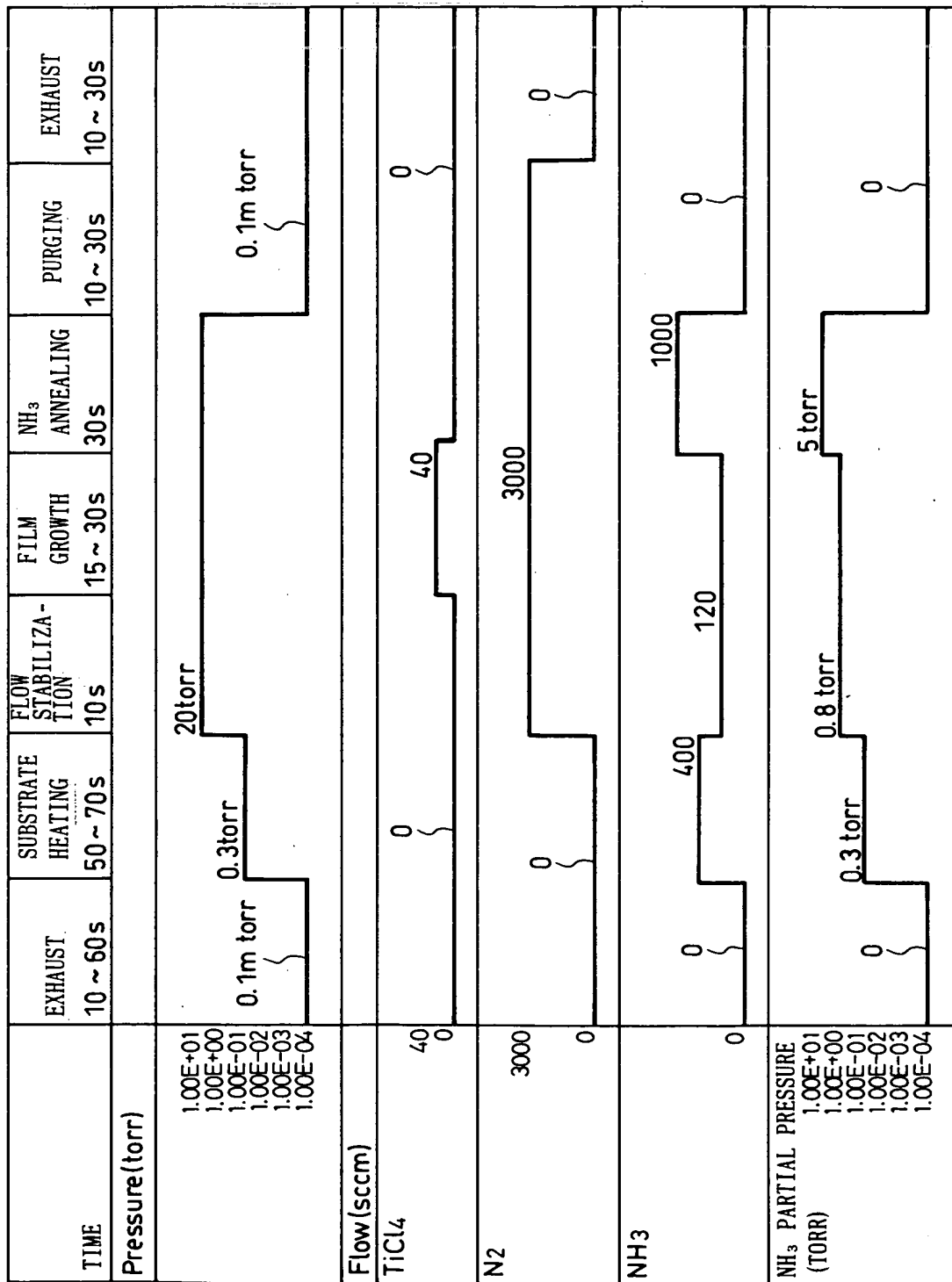
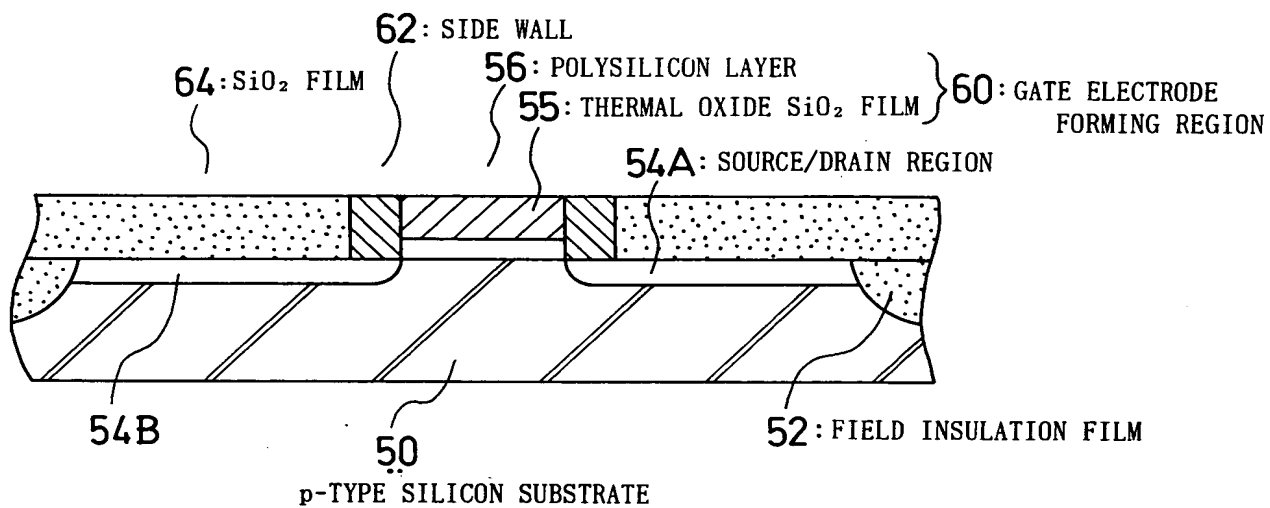
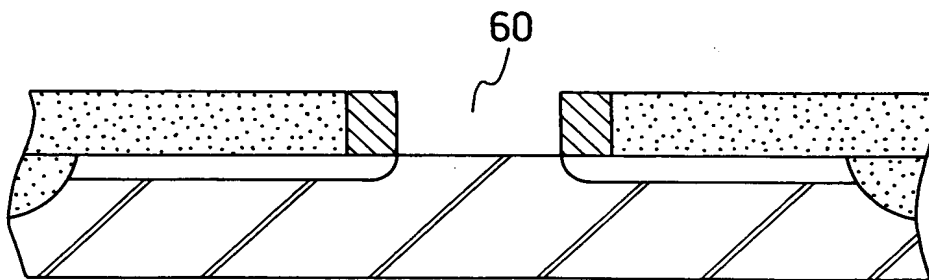


Fig. 4

(a)



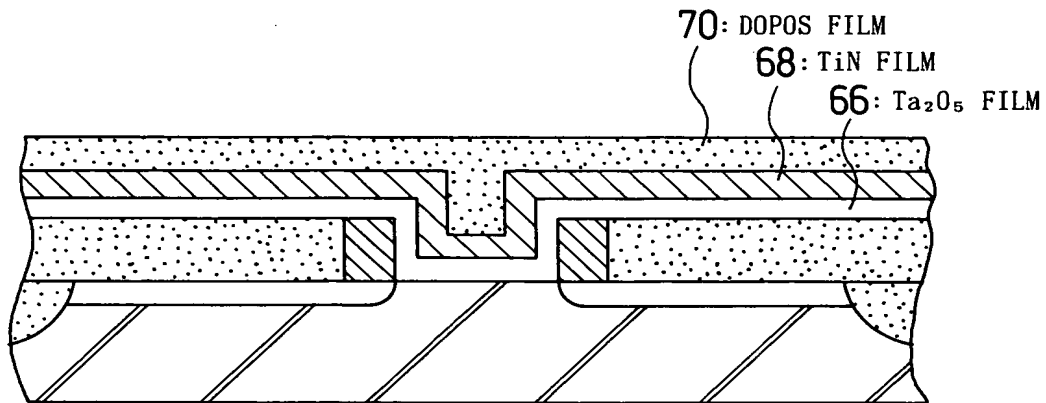
(b)



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Fig. 5

(c)



(d)

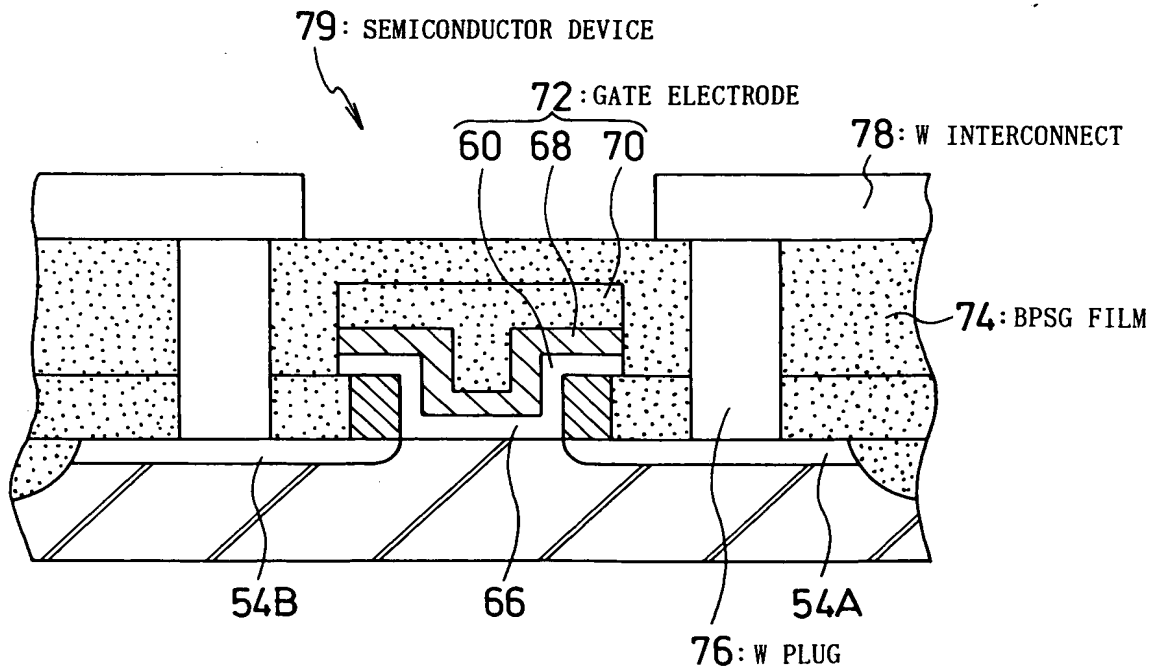


Fig. 6

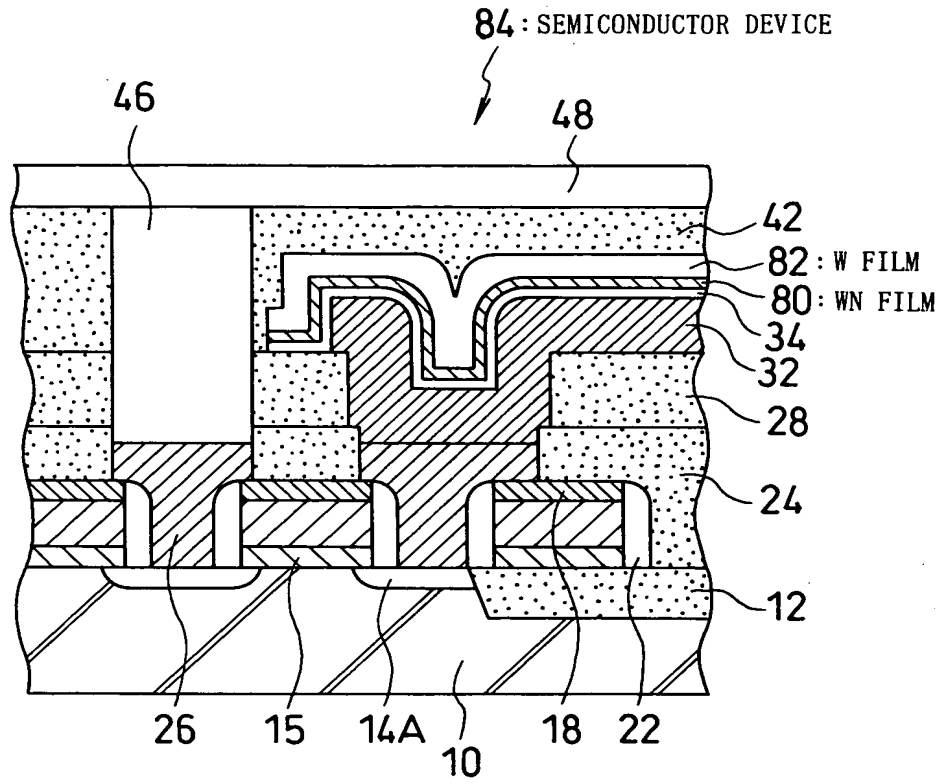


Fig. 7

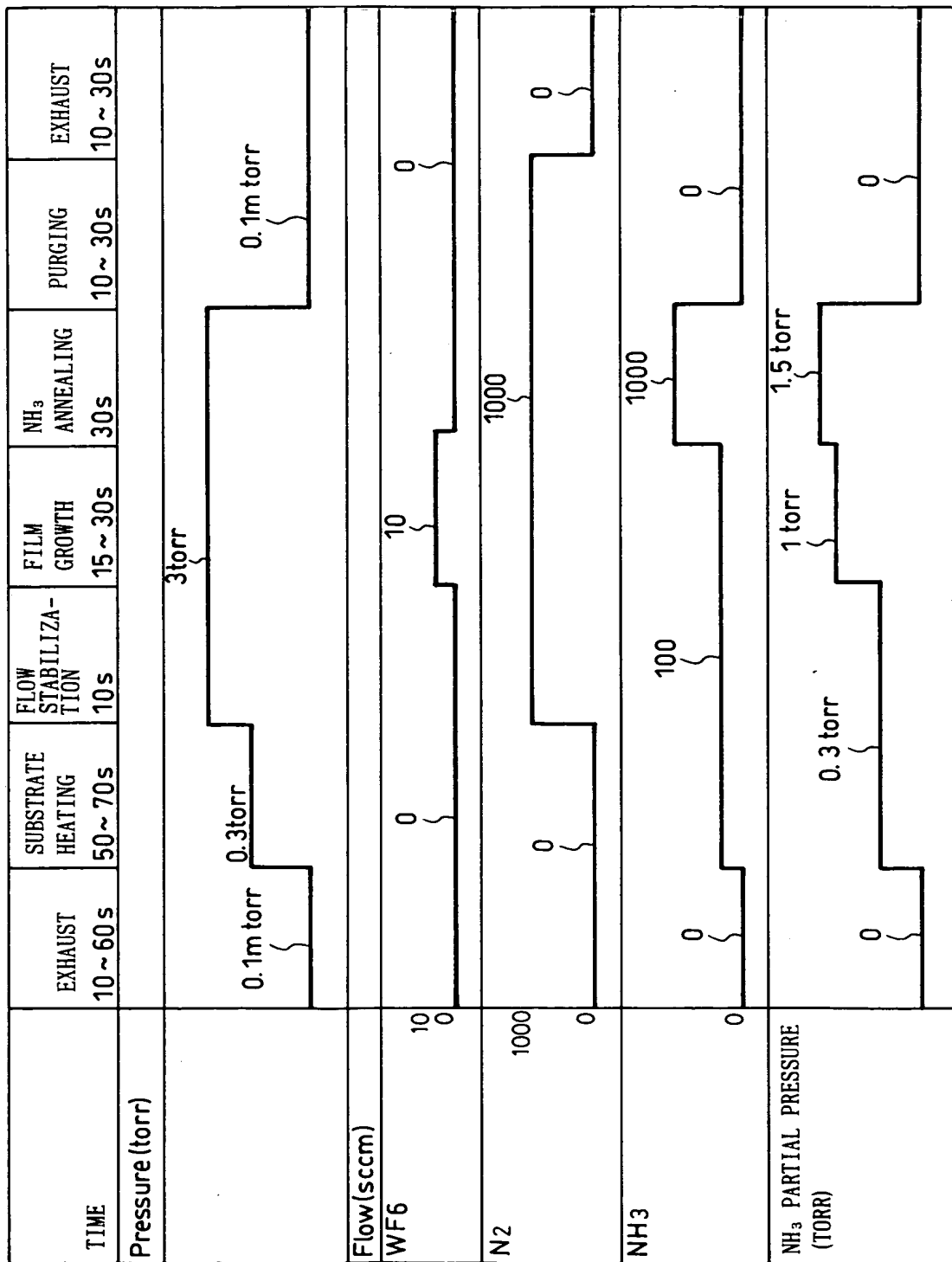
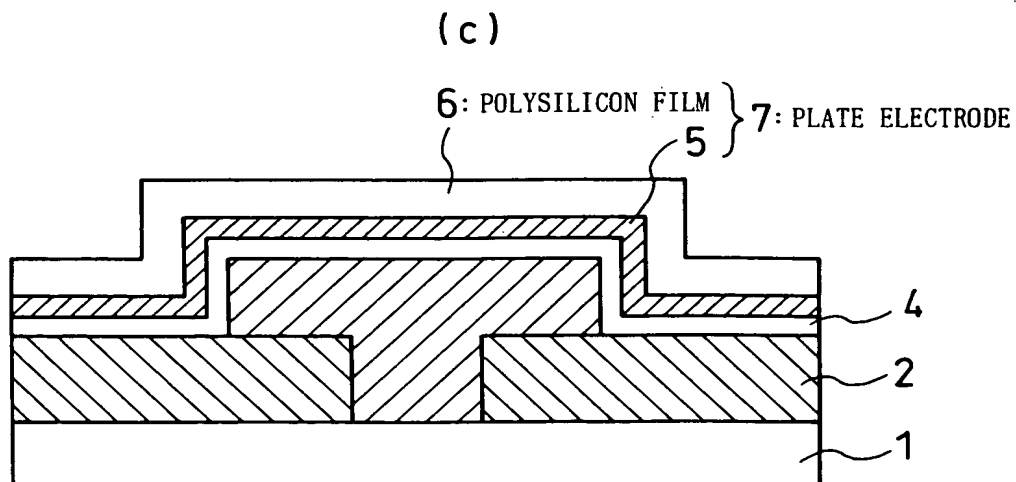
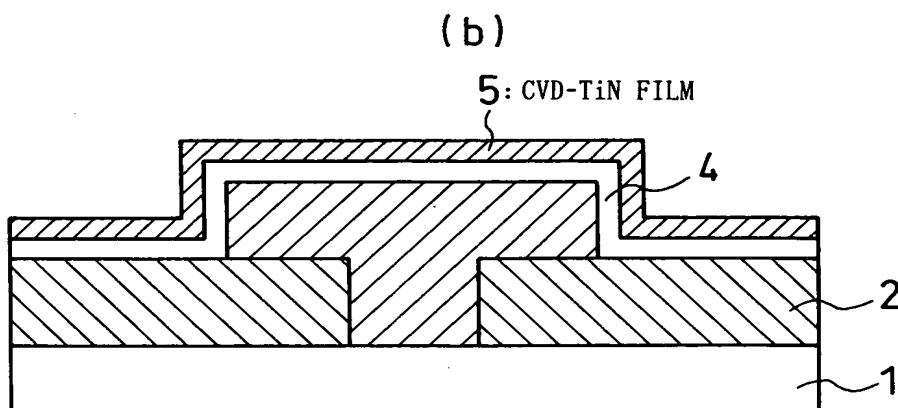
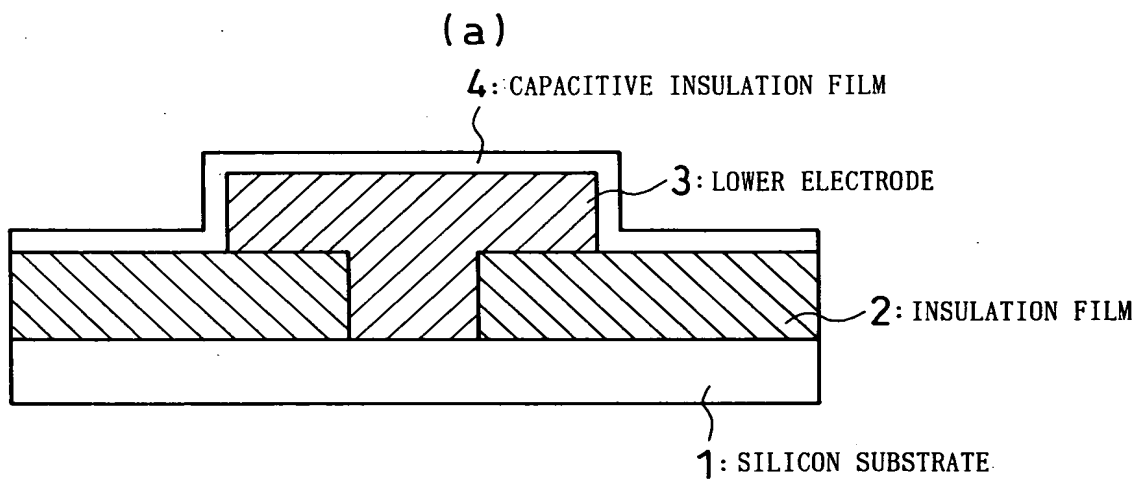
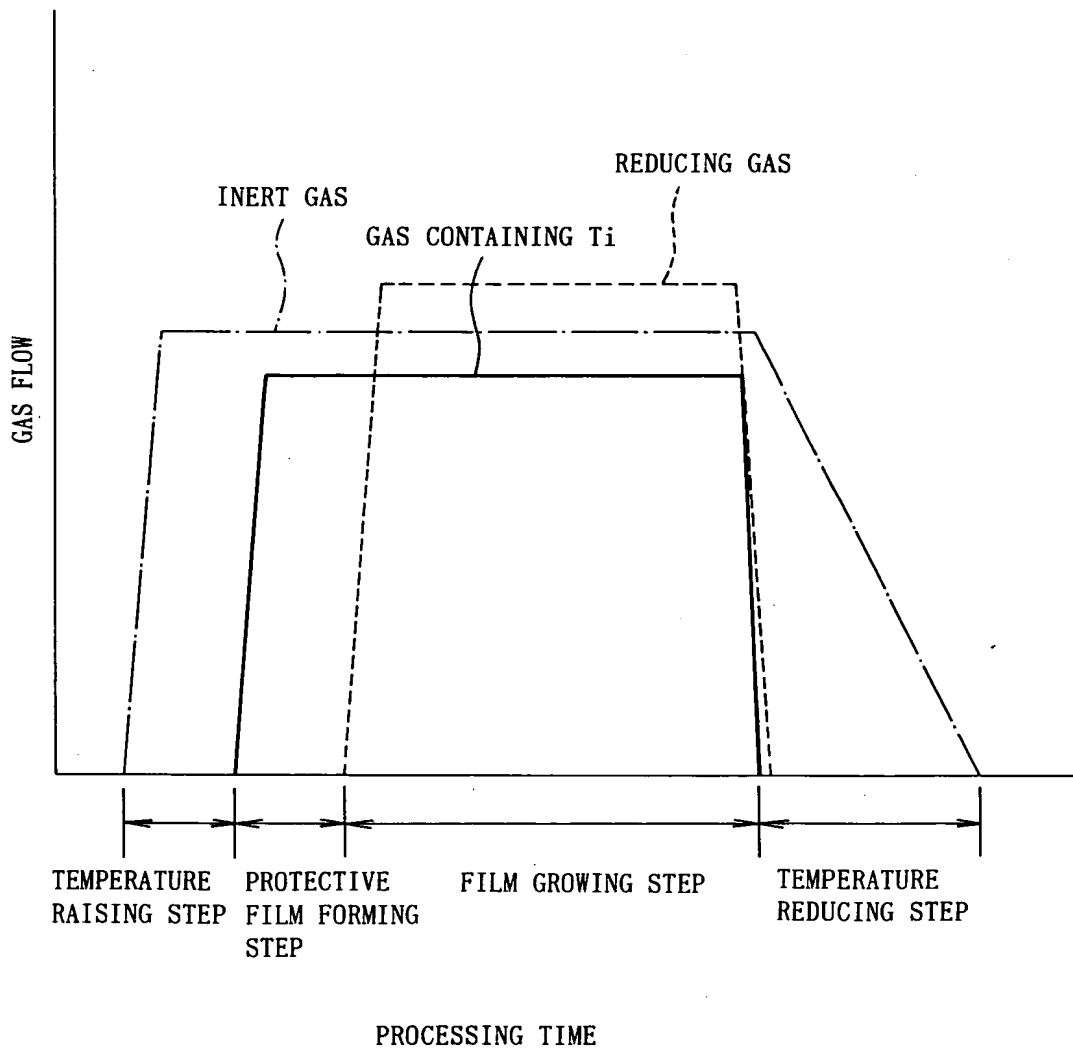


Fig. 8



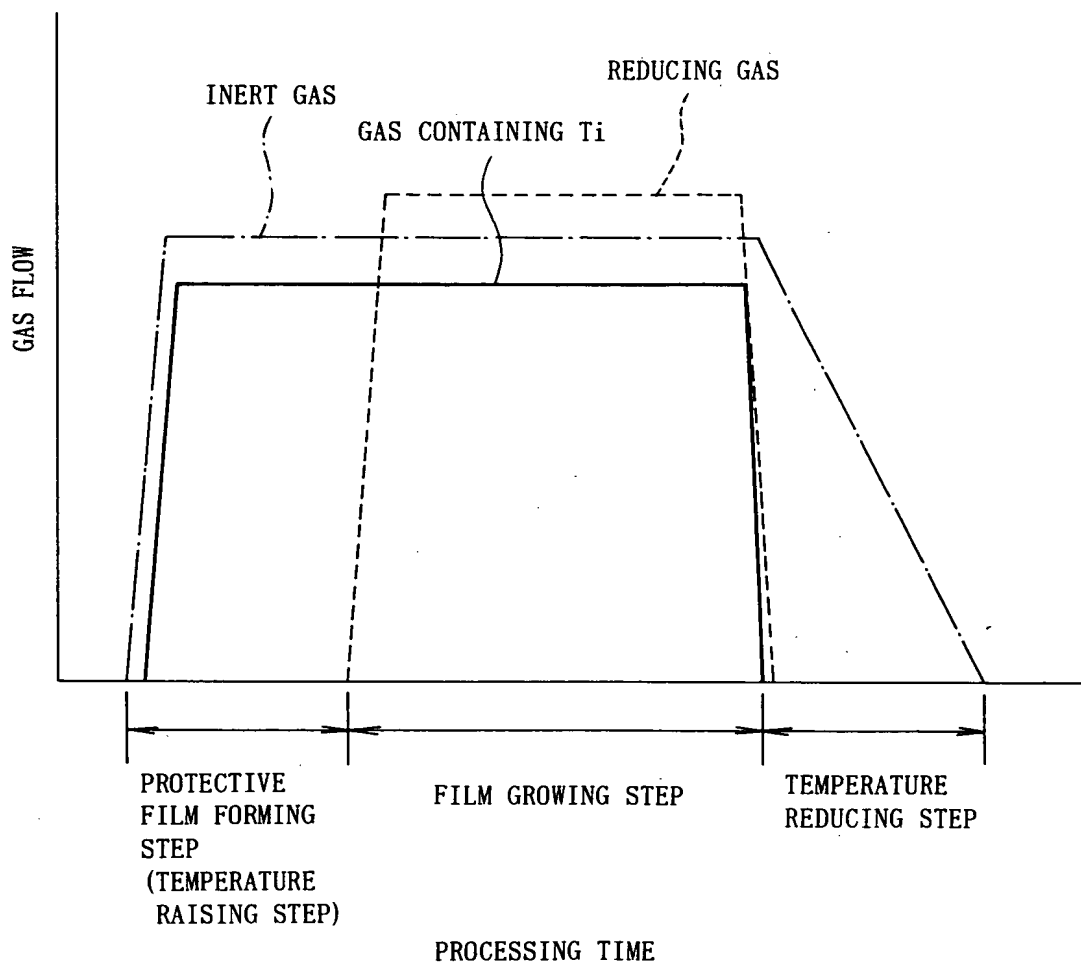
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Fig. 9



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Fig. 10



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Fig. 11

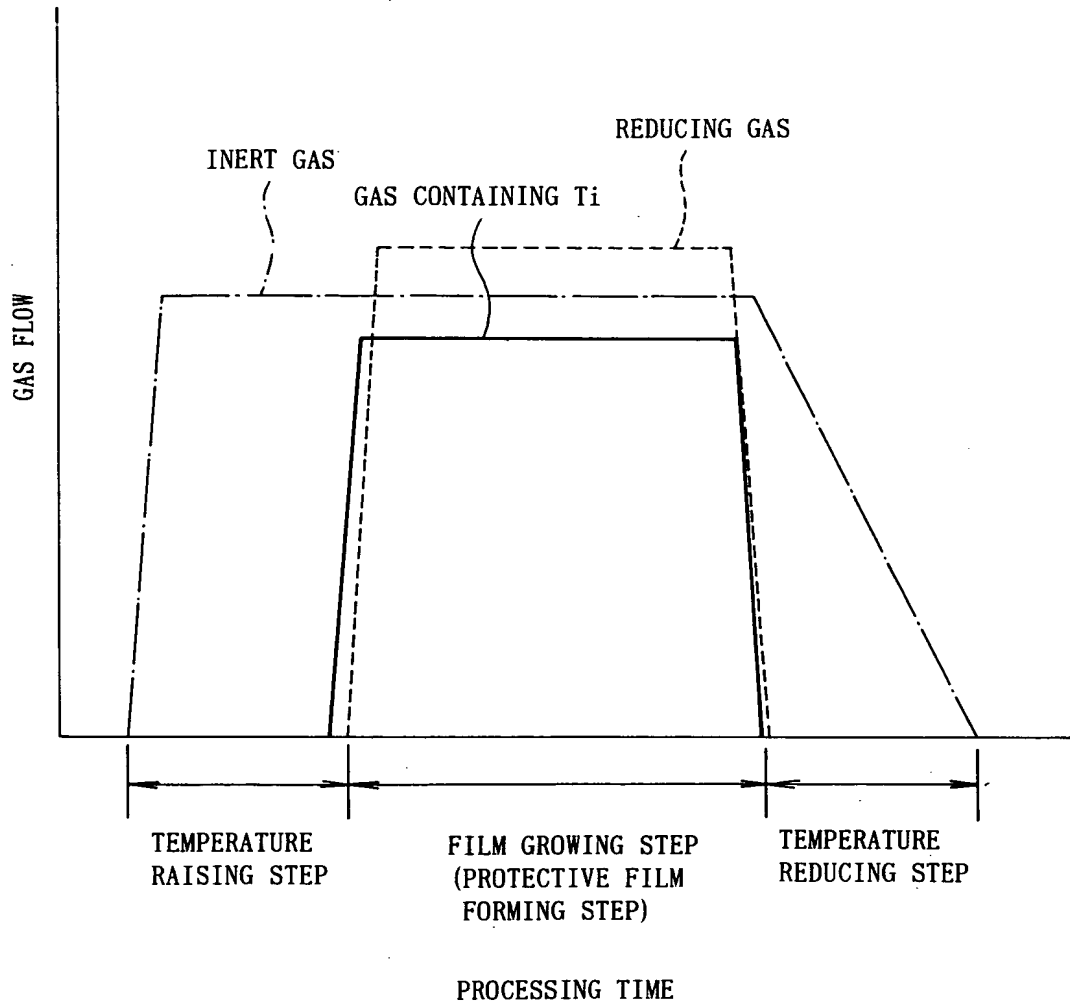
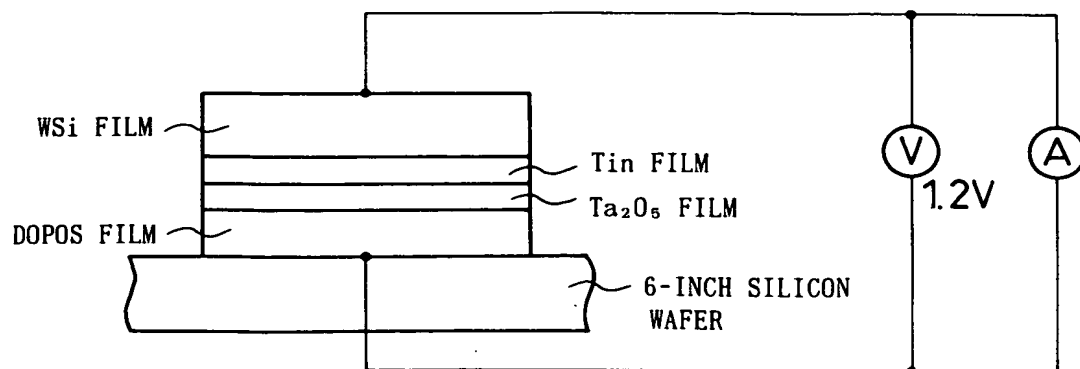


Fig. 12



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Fig. 13

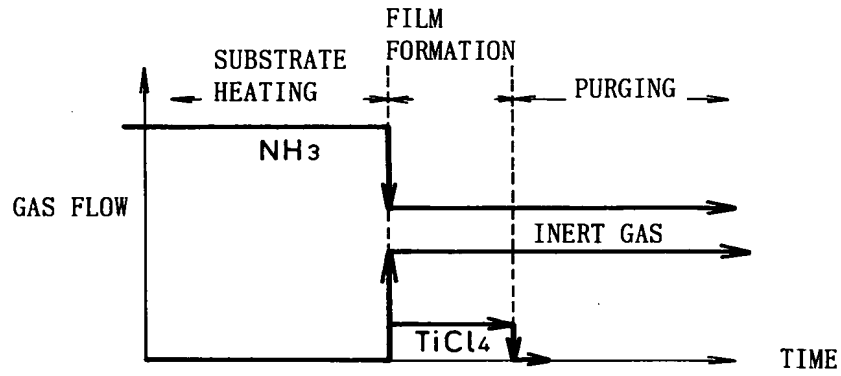


Fig. 14

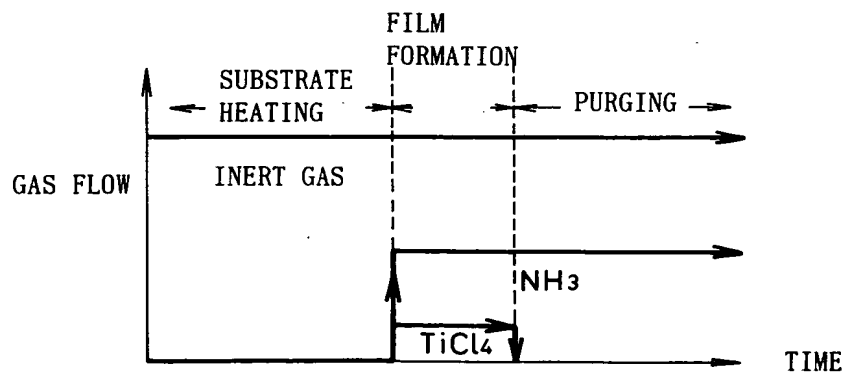


Fig. 15

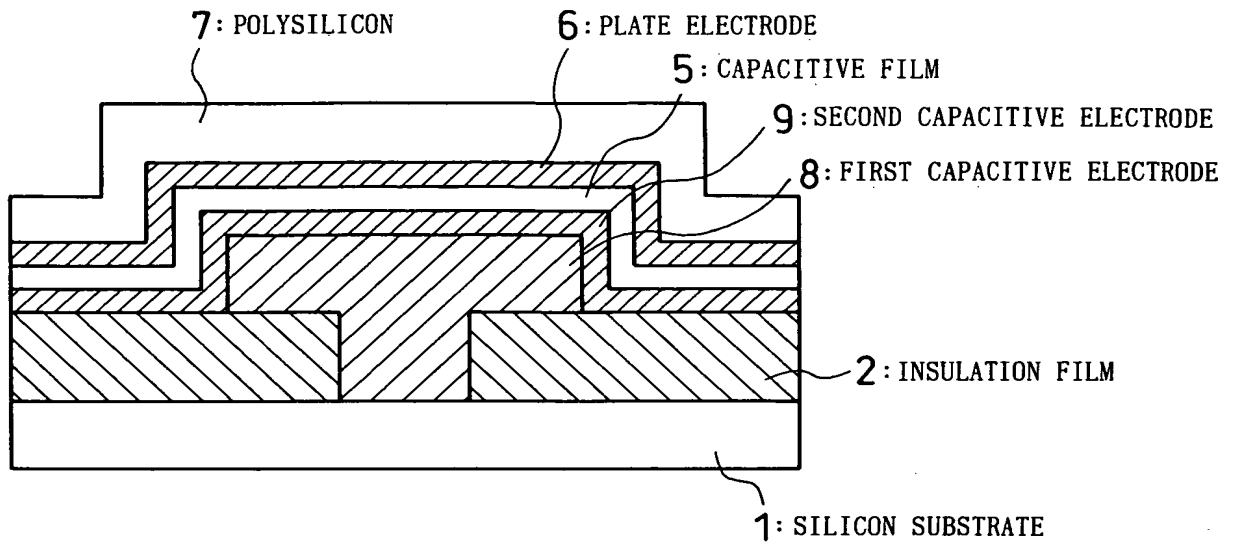


Fig. 16

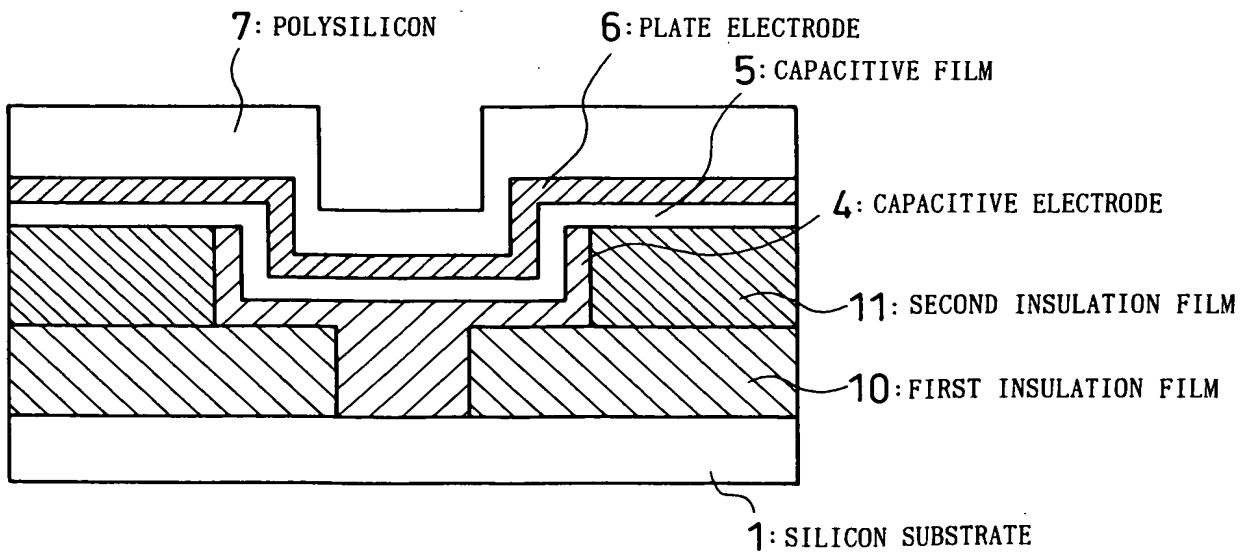


TABLE 1

	Leakage current value 10^{-8} [A/cm ²]			T o x [Å]
	Minimum value within surface	value over 50% of surface	Maximum value within surface	value over 50% of surface
Experimental example 1	2. 5 8	3. 3 9	1 7. 9 6	3 2. 7 4
Experimental example 2	2. 8 3	4. 1 7	2 0. 3 4 8	3 2. 9 7
Experimental example 3	4. 6 0 6	9. 9 8	2 3. 8	3 3. 2 5
Experimental example 4	5. 8 8 2	1 1. 2	2 5	3 3. 8 7

TABLE 2

	Leakage current value 10^{-8} [A/cm ²]			T o x [Å]
	Minimum value within surface	value over 50% of surface	Maximum value within surface	value over 50% of surface
Prior art example	0. 0 7 4	0. 1 1	0. 1 9 4	3 4. 2 7
Experimental example 5	0. 0 3 2	0. 0 7 4	0. 1 2 8	3 4. 3 5

TABLE 3

	Leakage current value			T o x
	Minimm value within surface	value over 50% of surface	Maximm value within surface	value over 50% of surface
Experimental example 1	0. 7 6	1	5. 3	1
Experimental example 2	0. 8 3	1. 2	6. 0	1. 0 1
Experimental example 3	1. 4	2. 9	7. 0	1. 0 2
Experimental example 4	1. 7	3. 3	7. 4	1. 0 3

Note : For the leakage current values 3.39×10^{-8} A/cm² was taken as 1, and for Tox 32,74 Angstroms was taken as 1.

TABLE 4

	Leakage current value			T o x
	Minimm value within surface	value over 50% of surface	Maximm value within surface	value over 50% of surface
Prior art example	1. 0 0	1. 5	2. 6	1. 0 0
Experimental example 5	0. 4 3	1	1. 7	1

Note : For the leakage current values 0.074×10^{-8} A/cm² was taken as 1, and for Tox 33,35 Angstroms was taken as 1.